#3

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       RAW SEQUENCE LISTING                  DATE: 05/16/2001
       PATENT APPLICATION: US/09/848,271    TIME: 15:09:08

          Input Set : A:\SeqListing.txt
        \ Output Set: N:\CRF3\05162001\I848271.raw
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    3 <110> APPLICANT: Ruben, Steven
    4         Baker, Kevin
    6 <120> TITLE OF INVENTION: Human Tumor Necrosis Factor TR18 and Methods Based Thereon
W--> 7 <130> FILE REFERENCE: PF526
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/848,271
   10 <141> CURRENT FILING DATE: 2001-05-04
   12 <150> PRIOR APPLICATION NUMBER: 60/254,931
   13 <151> PRIOR FILING DATE: 2000-12-13
   15 <150> PRIOR APPLICATION NUMBER: 60/236,038
   16 <151> PRIOR FILING DATE: 2000-09-28
   18 <150> PRIOR APPLICATION NUMBER: 60/201,852
   19 <151> PRIOR FILING DATE: 2000-05-04
   21 <160> NUMBER OF SEQ ID NOS: 5
   23 <170> SOFTWARE: PatentIn Ver. 2.1
   25 <210> SEQ ID NO: 1
   26 <211> LENGTH: 834
   27 <212> TYPE: DNA
   28 <213> ORGANISM: Homo sapiens
   30 <400> SEQUENCE: 1
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   33 catgcttgca taccttgtca acttcgatgt tcttctaata ctcctcctct aacatgtcag 180
   34 cgttattgta atgcaagtgt gaccaattca gtgaaggaa cgaatgcgat tctctggacc 240
   35 tgtttgggac tgagcttaat aatttctttg gcagttttcg tgctaatgtt tttgctaagg 300
   36 aagataagct ctgaaccatt aaaggacgag tttaaaaaca caggatcagg tctcctgggc 360
   37 atggctaaca ttgacctgga aaagagcagg actggtgatg aaattattct tccgagaggc 420
   38 ctcgagtaca cggtggaaga atgcacctgt gaagactgca tcaagagcaa accgaaggtc 480
   39 gactctgacc attgctttcc actcccagct atggaggaag gcgcaaccat tcttgtcacc 540
   40 acgaaaacga atgactattg caagagcctg ccagctgctt tgagtgctac ggagatagag 600
   41 aaatcaattt ctgctaggta attaaccatt tcgactcgag cagtgccact ttaaaaatct 660
   42 tttgtcagaa tagatgatgt gtcagatctc tttaggatga ctgtattttt cagttgccga 720
   43 tacagctttt tgtcctctaa ctgtggaaac tctttatgtt agatatattt ctctaggtta 780
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   48 <211> LENGTH: 184
   49 <212> TYPE: PRT
   50 <213> ORGANISM: Homo sapiens
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   56 Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
   57              20                  25                  30
   59 Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
   60          35                  40                  45
   62 Val Lys Gly Thr Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu
   63      50                  55                  60
   65 Ile Ile Ser Leu Ala Val Phe Val Leu Met Phe Leu Leu Arg Lys Ile
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68  Ser Ser Glu Pro Leu Lys Asp Glu Phe Lys Asn Thr Gly Ser Gly Leu
69                 85              90               95
71  Leu Gly Met Ala Asn Ile Asp Leu Glu Lys Ser Arg Thr Gly Asp Glu
72             100           105           110
74  Ile Ile Leu Pro Arg Gly Leu Glu Tyr Thr Val Glu Glu Cys Thr Cys
75         115           120           125
77  Glu Asp Cys Ile Lys Ser Lys Pro Lys Val Asp Ser Asp His Cys Phe
78      130           135           140
80  Pro Leu Pro Ala Met Glu Glu Gly Ala Thr Ile Leu Val Thr Thr Lys
81  145               150           155               160
83  Thr Asn Asp Tyr Cys Lys Ser Leu Pro Ala Ala Leu Ser Ala Thr Glu
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87             180
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98  tctcccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg  180
99  tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg  240
100 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact  300
101 ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg  360
102 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc  420
103 catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct  480
104 atcccagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga  540
105 ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg  600
106 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc  660
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108 gactctagag gat                                                    733
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112 <211> LENGTH: 17
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114 <213> ORGANISM: Homo Sapiens
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119     1           5                 10                15
121 Ala
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126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
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130 <221> NAME/KEY: SIGNAL
131 <222> LOCATION: (1)..(22)
132 <223> OTHER INFORMATION: consensus signal sequence
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137  1               5               10              15
139 Trp Ala Pro Ala Arg Gly
140              20
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VERIFICATION SUMMARY   DATE: 05/16/2001
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L:7 M:283 W: Missing Blank Line separator, <130> field identifier
L:9 M:270 C: Current Application Number differs, Replaced Current Application Number